

# ARRANGEMENT IN A PIPE JOINT FOR A HEAT EXCHANGER

## Abstract

Pipe connection for heat exchangers (1) having a number of corrugated plates, where each plate has a first edge part opposite a second edge part and a third edge part opposite a fourth edge part, between which corrugated plates there are provided first and second flow channels. A heat-emitting medium (6) flows through every alternate channel and a heat absorbing medium (7) flows through every other alternate channel. A collecting channel (8) is provided having a diverging cross-section for the heat-emitting medium (6) and is placed at one side of the heat exchanger and connected to an inlet section of a combined inlet and outlet pipe joint (2, 3) for the heat emitting and heat absorbing media. An outgoing collection channel (4) for the heat-absorbing medium (7) is arranged on the same side of the heat exchanger and connected to an outlet section of the inlet and outlet pipe joint (2, 3). The inlet pipe joint (2) includes a deformable first pipe section (10), arranged to absorb thermal and mechanical loading in both axial and radial directions, and at least one further, second pipe

section (2a, 2b).